

## Conduit, Flexible Metal, Steel (FMC)



### 1. Scope

This standard covers the requirements for steel flexible metal conduit (FMC), also known as reduced wall flexible steel conduit (RW FSC).

FMC fittings and connectors are outside the scope of this standard.

This standard applies to the following Seattle City Light (SCL) stock numbers:

<b>Stock No.</b>	<b>Trade Size (in)</b>
734895	1/2
734896	3/4

### 2. Application



FMC is used to construct flexible metal raceways for electrical power, control and communication cables.

### 3. Industry Standards

FMC shall meet the applicable requirements of the latest revision of the following industry standards:

**UL 1** - Standard for Flexible Metal Conduit

**UL 1479** - Standard for Fire Test of Penetration Firestops



#### 4. Requirements

FMC shall have the following attributes:

- Steel, hot-dip galvanized construction
- Interlocking design
- Corrosion resistant

**Table 4. FMC Requirements**

Trade Size (in)	Inside Dia. (in)	Outside Dia. (in)	Bend Radius (in)	Weight (lb/100 ft)
1/2	0.625 -0.645	0.860-0.920	3	27
3/4	0.812-0.835	1.045-1.105	4	35

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#### 5. Packaging

FMC shall be packaged in 100-ft coils.

Each standard package shall be legibly marked with the following information:

- Manufacturer identification
- Product description
- SCL stock number
- Quantity contained

Each shipping container shall be legibly marked with the following information:

- SCL purchase order number
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#### 6. Issuance

Stock Unit: FT

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#### 7. Approved Manufacturers

Seattle City Light Material Control personnel may identify and approve distributors, and hence manufacturers, of FMC.

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#### 8. Sources

**Shetab, Muneer**; SCL Standards Engineer, originator, and subject matter expert for 7060.05 (muneer.shetab@seattle.gov)

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